UNDERGRADUATE KIT

FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY UNIVERSITI MALAYA

Bachelor of Computer Science (Artificial Intelligence)

Bachelor of Computer Science (Computer System and Network)

Bachelor of Computer Science (Data Science)

Bachelor of Computer Science (Information Systems)

Bachelor of Computer Science (Multimedia Computing)

Bachelor of Computer Science (Software Engineering)

2024/2025 ACADEMIC SESSION

ACADEMIC CALENDAR 2024/2025 ACADEMIC SESSION (BACHELOR DEGREE LEVEL)

SEMESTER I									
Orientation Week			29.09.2024	-	06.10.2024				
Lectures	7	weeks*	07.10.2024	-	24.11.2024				
Mid Semester I Break	1	week	25.11.2024	-	01.12.2024				
Lectures	7	weeks*	02.12.2024	-	19.01.2025				
Revision Week	1	week*	20.01.2025	-	26.01.2025				
Semester I Final Examination	3	weeks*	27.01.2025	-	16.02.2025				
Semester I Break	4	weeks	17.02.2025	-	16.03.2025				
	23	weeks							
	SEN	IESTER II							
Lectures	7	weeks*	17.03.2025	-	04.05.2025				
Mid Semester II Break	1	week	05.05.2025	-	11.05.2025				
Lectures	7	weeks*	12.05.2025	-	29.06.2025				
Revision Week	1	week*	30.06.2025	-	06.07.2025				
Semester II Final Examination	3	weeks*	07.07.2025	-	27.07.2025				
Semester II Break	4	weeks	28.07.2025	-	24.08.2025				
	23	weeks							
SP	ECIA	L SEMESTER							
Lectures	7	weeks*	28.07.2025	-	14.09.2025				
Special Semester Final Examination	1	week*	15.09.2025	-	21.09.2025				
Break	1	week	22.09.2025		28.09.2025				
	9	weeks							

Nota:

(*) The Academic Calendar has taken into account public and festive holidays and is subject to change:

Deepavali 31 October 2024 (Thursday)
Christmas Day 25 December 2024 (Wednesday)
New Year 01 January 2025 (Wednesday)

Chinese New Year 29 & 30 January 2025 (Wednesday & Thursday)

Federal Territory Day

Thaipusam

Nuzul Al-Quran

01 February 2025 ((Saturday)

11 February 2025 (Tuesday)

17 March 2025 (Monday)

Eidul Fitri 31 March & 01 April 2025 (Monday & Tuesday)

Wesak Day 12 May 2025 (Monday) His Majesty the King's Birthday 02 June 2025 (Monday) Eidul Adha 06 June 2025 (Friday) Awal Muharam 27 June 2025 (Friday)

Senate Approval Date: 24.01.2024

CURRICULUM STRUCTURE BACHELOR OF COMPUTER SCIENCE (ARTIFICIAL INTELLIGENCE) ACADEMIC SESSION 2024/2025

	COURSE COMPONENT		SEMESTE
COURSE CODE	UNIVERSITY COURSES	CREDITS	R
GIG1012	Philosophy and Current Issues (for local student only)		
GLT1049	Basic Malay Language (for international student)	2	1
GIG1013	Appreciation of Ethics and Civilizations	2	2
GIG1003	Basic Entrepreneurship Culture	2	3
GLTXXXX	English for Communication (1)	2	1
GLTXXXX	English for Communication (2)	2	2
	Co-Curriculum (1)	2	4
	Co-Curriculum (2)	2	7
	Total	14	
COURSE	FACULTY CORE COURSES	CREDI	SEMEST
CODE WIX1001	Computing Mathematica I	TS 3	ER 1
WIX1001 WIX1002	Computing Mathematics I Fundamentals of Programming	5	<u> </u>
WIX1002 WIX1003	Computer Systems and Organization	3	1
WIX1003 WIX2001	Thinking and Communication Skills	3	3
WIX2001 WIX2002	Project Management	3	3
***************************************	Total	17	
	1000.		
COURSE	EXTERNAL UNIVERSITY ELECTIVE COURSES	CREDI	SEMEST
CODE	STUDENT HOLISTIC EMPOWERMENT (SHE)	TS	ER
	University Elective (Cluster 1) - Thinking Matters: Mind & Intellect	2	4
	University Elective (Cluster 2) - Technology/Artificial Intelligence and Data	2	6
	Analytics: i-Techie	2	6
	University Elective (Cluster 3) - Global Issues and Community	2	6
	Sustainability: Making the World a Better Place	2	
	KIAR: Integrity and Anti-Corruption course	2	2
	Total	8	
COURSE	PROGRAMME CORE COURSES	CREDI	SEMEST
CODE		TS	ER
WIA1002	Data Structure (#WIX1002)	5	2
WIA1003	Computer System Architecture (#WIX1003)	3	2
WIA1005	Network Technology Foundation	4	2
WIA1006 WIA1007	Machine Learning Introduction to Data Science	3	<u>2</u> 1
WIA2001	Database	3	3
WIA2001 WIA2003	Probability and Statistics	3	3
WIA2003	Operating Systems		4
WIA2005	Algorithm Design and Analysis (#WIA1002)	4	
WIA2006		4	
		4 4 3	4
WIA2007	System Analysis and Design	4	
WIA2007 WIA3001	System Analysis and Design Mobile Application Development Industrial Training *	4 3	4 3
WIA3001 WIA3002	System Analysis and Design Mobile Application Development Industrial Training * Academic Project I **	4 3 4	4 3 3
WIA3001	System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002)	4 3 4 12 3 5	4 3 3 5
WIA3001 WIA3002	System Analysis and Design Mobile Application Development Industrial Training * Academic Project I **	4 3 4 12 3	4 3 3 5 6
WIA3001 WIA3002 WIA3003	System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002)	4 3 4 12 3 5 5	4 3 3 5 6 7
WIA3001 WIA3002 WIA3003	System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002)	4 3 4 12 3 5 5 59	4 3 3 5 6 7
WIA3001 WIA3002 WIA3003 COURSE CODE	System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses)	4 3 4 12 3 5 5 59 CREDI TS	4 3 3 5 6 7 SEMEST ER
WIA3001 WIA3002 WIA3003 COURSE CODE WIC2008	System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Internet of Things (#WIA1005)	4 3 4 12 3 5 5 59 CREDI TS 3	4 3 3 5 6 7 SEMEST ER 4
WIA3001 WIA3002 WIA3003 COURSE CODE WIC2008 WID2001	System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Internet of Things (#WIA1005) Knowledge Representation and Reasoning	4 3 4 12 3 5 5 59 CREDI TS 3 3	4 3 3 5 6 7 SEMEST ER 4
WIA3001 WIA3002 WIA3003 COURSE CODE WIC2008 WID2001 WID2002	System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Internet of Things (#WIA1005) Knowledge Representation and Reasoning Computing Mathematics II	4 3 4 12 3 5 5 59 CREDI TS 3 3 3	4 3 3 5 6 7 SEMEST ER 4 4
WIA3001 WIA3002 WIA3003 COURSE CODE WIC2008 WID2001 WID2002 WID2003	System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Internet of Things (#WIA1005) Knowledge Representation and Reasoning Computing Mathematics II Cognitive Science	4 3 4 12 3 5 5 59 CREDI TS 3 3 3	4 3 3 5 6 7 SEMEST ER 4
WIA3001 WIA3002 WIA3003 COURSE CODE WIC2008 WID2001 WID2002	System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Internet of Things (#WIA1005) Knowledge Representation and Reasoning Computing Mathematics II Cognitive Science Functional and Logic Programming	4 3 4 12 3 5 5 59 CREDI TS 3 3 3	4 3 3 5 6 7 SEMEST ER 4 4 4
WIA3001 WIA3002 WIA3003 COURSE CODE WIC2008 WID2001 WID2002 WID2003 WID3001	System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Internet of Things (#WIA1005) Knowledge Representation and Reasoning Computing Mathematics II Cognitive Science	4 3 4 12 3 5 5 59 CREDI TS 3 3 3 3	4 3 3 5 6 7 SEMEST ER 4 4 4 4
WIA3001 WIA3002 WIA3003 COURSE CODE WIC2008 WID2001 WID2002 WID2003 WID3001 WID3002	System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Internet of Things (#WIA1005) Knowledge Representation and Reasoning Computing Mathematics II Cognitive Science Functional and Logic Programming Natural Language Processing	4 3 4 12 3 5 5 59 CREDI TS 3 3 3 3 3 3	4 3 3 5 6 7 SEMEST ER 4 4 4 4 7 6
WIA3001 WIA3002 WIA3003 COURSE CODE WIC2008 WID2001 WID2002 WID2003 WID3001 WID3002 WID3007	System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Internet of Things (#WIA1005) Knowledge Representation and Reasoning Computing Mathematics II Cognitive Science Functional and Logic Programming Natural Language Processing Fuzzy Logic (#WIX1001) Autonomous Robots Deep Learning	4 3 4 12 3 5 5 59 CREDI TS 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	4 3 3 5 6 7 SEMEST ER 4 4 4 4 7 6
WIA3001 WIA3002 WIA3003 COURSE CODE WIC2008 WID2001 WID2002 WID2003 WID3001 WID3002 WID3007 WID3010 WID3011 WID3012	System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Internet of Things (#WIA1005) Knowledge Representation and Reasoning Computing Mathematics II Cognitive Science Functional and Logic Programming Natural Language Processing Fuzzy Logic (#WIX1001) Autonomous Robots Deep Learning Evolutionary Computation	4 3 4 12 3 5 5 59 CREDI TS 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	4 3 3 5 6 7 SEMEST ER 4 4 4 7 6 7
WIA3001 WIA3002 WIA3003 COURSE CODE WIC2008 WID2001 WID2002 WID2003 WID3001 WID3002 WID3007 WID3010 WID3011 WID3012 WID3013	System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Internet of Things (#WIA1005) Knowledge Representation and Reasoning Computing Mathematics II Cognitive Science Functional and Logic Programming Natural Language Processing Fuzzy Logic (#WIX1001) Autonomous Robots Deep Learning Evolutionary Computation Computer Vision and Pattern Recognition	4 3 4 12 3 5 5 59 CREDI TS 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	4 3 3 5 6 7 SEMEST ER 4 4 4 7 6 7 6
WIA3001 WIA3002 WIA3003 COURSE CODE WIC2008 WID2001 WID2002 WID2003 WID3001 WID30002 WID3007 WID3010 WID3011 WID3012 WID3013 WID3014	System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Internet of Things (#WIA1005) Knowledge Representation and Reasoning Computing Mathematics II Cognitive Science Functional and Logic Programming Natural Language Processing Fuzzy Logic (#WIX1001) Autonomous Robots Deep Learning Evolutionary Computation Computer Vision and Pattern Recognition Practical Artificial Intelligence	4 3 4 12 3 5 5 59 CREDI TS 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	4 3 3 5 6 7 SEMEST ER 4 4 4 7 6 7 6 7
WIA3001 WIA3002 WIA3003 COURSE CODE WIC2008 WID2001 WID2002 WID2003 WID3001 WID3002 WID3007 WID3010 WID3011 WID3012 WID3013 WID3014 WID3015	System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Internet of Things (#WIA1005) Knowledge Representation and Reasoning Computing Mathematics II Cognitive Science Functional and Logic Programming Natural Language Processing Fuzzy Logic (#WIX1001) Autonomous Robots Deep Learning Evolutionary Computation Computer Vision and Pattern Recognition Practical Artificial Intelligence Numerical Analysis	4 3 4 12 3 5 5 59 CREDI TS 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	4 3 3 5 6 7 SEMEST ER 4 4 4 7 6 7 6 7 6
WIA3001 WIA3002 WIA3003 COURSE CODE WIC2008 WID2001 WID2002 WID2003 WID3001 WID30002 WID3007 WID3010 WID3011 WID3012 WID3013 WID3014	System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Internet of Things (#WIA1005) Knowledge Representation and Reasoning Computing Mathematics II Cognitive Science Functional and Logic Programming Natural Language Processing Fuzzy Logic (#WIX1001) Autonomous Robots Deep Learning Evolutionary Computation Computer Vision and Pattern Recognition Practical Artificial Intelligence Numerical Analysis Virtual Reality	4 3 4 12 3 5 5 59 CREDI TS 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	4 3 3 5 6 7 SEMEST ER 4 4 4 7 6 7 6 7
WIA3001 WIA3002 WIA3003 COURSE CODE WIC2008 WID2001 WID2002 WID2003 WID3001 WID3002 WID3007 WID3010 WID3011 WID3012 WID3013 WID3014 WID3015	System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Internet of Things (#WIA1005) Knowledge Representation and Reasoning Computing Mathematics II Cognitive Science Functional and Logic Programming Natural Language Processing Fuzzy Logic (#WIX1001) Autonomous Robots Deep Learning Evolutionary Computation Computer Vision and Pattern Recognition Practical Artificial Intelligence Numerical Analysis	4 3 4 12 3 5 5 59 CREDI TS 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	4 3 3 5 6 7 SEMEST ER 4 4 4 7 6 7 6 7 6

Pre-requisite.
Taken all Faculty and Programme Core Courses except Academic Project I and Academic Project II.
Pass all Faculty and Programme Core Courses except for Industrial Training and Academic Project II.

COURSE PLANNING FOR BACHELOR OF COMPUTER SCIENCE (ARTIFICIAL INTELLIGENCE) ACADEMIC SESSION 2024/2025

Level	Course Code	Semester 1	Credits	Course Code	Semester 2	Credits
	GIG1003	Basic Entrepreneurship Culture	2	GIG1012 / GLT1049	Philosophy and Current Issues (for local student only) / Basic Malay Language (for international student)	2
	GLTXXXX	English for Communication (1)	2	GLTXXXX	English for Communication (2)	2
	WIX1001	Computing Mathematics I	3	WIA1002	Data Structure (#WIX1002)	5
1	WIX1002	Fundamentals of Programming	5	WIA1003	Computer System Architecture (#WIX1003)	3
	WIX1003	Computer Systems and Organization	3	WIA1005	Network Technology Foundation	4
	WIA1007	Introduction to Data Science	3	WIA1006	Machine Learning	3
		Total	18		Total	19
	Course			Course		
	Code	Semester 1	Credits	Code	Semester 2	Credits
	GIG1013	Appreciation of Ethics and Civilizations	2	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Co-Curriculum (1)	2
	WIX2001	Thinking and Communication Skills	3	WIA2004	Operating Systems	4
	WIX2002	Project Management	3	WIA2005	Algorithm Design and Analysis (#WIA1002)	4
	WIA2001	Database	3		Specialization Elective (1)	3
	WIA2003	Probability and Statistics	3		Specialization Elective (2)	3
	WIA2006	System Analysis and Design	3		Specialization Elective (3)	3
	WIA2007	Mobile Application Development	4		University Elective (Cluster 1)	2
2					Choose 3 electives of the following	
				WIC2008	Internet of Things (#WIA1005)	3
				WID2001	Knowledge Representation and Reasoning	3
				WID2002	Computing Mathematics II	3
				WID2003	Cognitive Science	3
		Total	21		Total	21
		10101			Total	
	Course Code	Semester 1	Credits	Course Code	Semester 2	Credits
	WIA3001	Industrial Training *	12	WIA3002	Academic Project I **	3
					Specialization Elective (4)	3
					Specialization Elective (5)	3
					Specialization Elective (6)	3
					Specialization Elective (7)	3
					University Elective (Cluster 2)	2
					University Elective (Cluster 3)	2
3					Choose 4 electives of the following	
				WID3002	Natural Language Processing	3
				WID3010	Autonomous Robots	3
				WID3011	Deep Learning	3
				WID3013	Computer Vision and Pattern Recognition	3
				WIG3004	Virtual Reality	3
		Total	12		Total	19

	Course Code	Semester 1	Cred its	Credit Distribution	
		Co-Curriculum (2)	2	Course Component	Credits
	WIA3003	Academic Project II (#WIA3002)	5	University Courses	14
		Specialization Elective (8)	3	Faculty Core Courses	17
		Specialization Elective (9)	3	University Elective Courses	8
		Specialization Elective (10)	3	Programme Core Courses	59
4		University Elective (Cluster 3). Global Issues and Community Sustainability: Making the World a Better Place	2	University Courses	14
		Choose 3 electives of the following			
	WID3001	Functional and Logic Programming	3		
	WID3007	Fuzzy Logic (#WIX1001)	3		
	WID3014	Practical Artificial Intelligence	3		
	WID3015	Numerical Analysis	3		
		Total	18	TOTAL CREDITS FOR GRADUATION	128

Pre-requisite.
Taken all Faculty and Programme Core Courses except Academic Project I and Academic Project II.
Pass all Faculty and Programme Core Courses except for Industrial Training and Academic Project II.

CURRICULUM STRUCTURE BACHELOR OF COMPUTER SCIENCE (SOFTWARE ENGINEERING) ACADEMIC SESSION 2024/2025

	COURSE COMPONENT		
COURSE CODE	UNIVERSITY COURSES	CREDITS	SEMESTER
GIG1012	Philosophy and Current Issues (for local student only)		
GLT1049	Basic Malay Language (for international student)	2	2
GIG1013	Appreciation of Ethics and Civilizations	2	1
GIG1013	Basic Entrepreneurship Culture	2	1
GLTXXXX	English for Communication (1)	2	1
GLTXXXX	English for Communication (2)	2	2
	Co-Curriculum (1)	2	2
	Co-Curriculum (2)	2	1
	Total	14	
COURSE CODE	FACULTY CORE COURSES	CREDITS	SEMESTER
WIX1001	Computing Mathematics I	3	1
WIX1002	Fundamentals of Programming	5	1
WIX1003	Computer Systems and Organization	3	1
WIX2001	Thinking and Communication Skills	3	1
WIX2002	Project Management	3	1
	Total	17	
	EXTERNAL UNIVERSITY ELECTIVE COURSES		
COURSE CODE	STUDENT HOLISTIC EMPOWERMENT (SHE)	CREDITS	SEMESTER
	University Elective (Cluster 1) - Thinking Matters: Mind & Intellect	2	2
	University Elective (Cluster 2) - Technology/Artificial Intelligence and Data		
	Analytics: i-Techie	2	2
	University Elective (Cluster 3) - Global Issues and Community Sustainability:		,
	Making the World a Better Place	2	1
	KIAR: Integrity and Anti-Corruption course	2	2
	Total	8	
COURSE CODE	PROGRAMME CORE COURSES	CREDITS	SEMESTER
WIA1002	Data Structure (#WIX1002)	5	2
WIA1003	Computer System Architecture (#WIX1003)	3	2
WIA1005	Network Technology Foundation	4	2
WIA1006	Machine Learning	3	2
WIA2001	Database	3	1
WIA2002	Software Modeling	3	1
WIA2003 WIA2004	Probability and Statistics Operating Systems	<u>3</u>	1
WIA2004 WIA2005	Algorithm Design and Analysis (#WIA1002)	4	2 2
WIA2003 WIA2007	Mobile Application Development	4	1
WIA2010	Human Computer Interaction	3	1
WIA3001	Industrial Training *	12	1
WIA3002	Academic Project I **	3	2
WIA3003	Academic Project II (#WIA3002)	5	1
	Total	59	
COURSE CODE	SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses)	CREDITS	SEMESTER
WIF2002	Software Requirements Engineering	3	1 or 2 [⊗]
WIF2003	Web Programming	3	1 or 2 [⊗]
WIF3001	Software Testing	3	1 or 2 [⊗]
WIF3002	Software Process and Quality	3	1 or 2 [⊗]
WIF3004	Software Architecture and Design Paradigms (#WIA2002)	3	1 or 2 [⊗]
WIF3005	Software Maintenance and Evolution	3	1 or 2 [⊗] 1 or 2 [⊗]
WIF3006 WIF3008	Component Based Software Engineering (#WIA2002) Real Time Systems	3	1 or 2°
WIF3008 WIF3009	Python for Scientific Computing	3	1 or 2 [®]
WIF3010	Programming Language Paradigm	3	1 or 2 [®]
WIF3010 WIF3011	Concurrent and Parallel Programming (#WIX1002) (#WIA2004)	3	1 or 2 [®]
WIG3005	Game Development	3	1 or 2 [⊗]
WIC2008	Internet of Things (#WIA1005)	3	1 or 2 [⊗]
,	Total	30	
	TOTAL CREDITS FOR GRADUATION	128	

- Taken all Faculty and Programme Core Courses except Academic Project I and Academic Project II.

 Pass all Faculty and Programme Core Courses except for Industrial Training and Academic Project II.

 Each Specialization Elective Course is only offered ONCE every academic session, either on Semester 1 OR Semester 2.

COURSE PLANNING FOR BACHELOR OF COMPUTER SCIENCE (SOFTWARE ENGINEERING) ACADEMIC SESSION 2024/2025

Level C	Course Code	Semester 1	Credits	Course Code	Semester 2	Credits
	GIG1003	Basic Entrepreneurship Culture	2	GIG1012 /	Philosophy and Current Issues (for local student only) /	2
		' '		GLT1049	Basic Malay Language (for international student)	
	GLTXXXX	English for Communication (1)	2	GLTXXXX	English for Communication (2)	2
	WIX1001	Computing Mathematics I	3	WIA1002	Data Structure (#WIX1002)	5
1 -	WIX1002	Fundamentals of Programming	5	WIA1003	Computer System Architecture (#WIX1003)	3
· <u> </u>	WIX1003	Computer Systems and Organization	3	WIA1005	Network Technology Foundation	4
	WIA2010	Human Computer Interaction	3	WIA1006	Machine Learning	3
		Total	18		Total	19
С	Course Code	Semester 1	Credits	Course Code	Semester 2	Credits
	GIG1013	Appreciation of Ethics and Civilizations	2		Co-Curriculum (1)	2
	WIX2001	Thinking and Communication Skills	3	WIA2004	Operating Systems	4
	WIX2002	Project Management	3	WIA2005	Algorithm Design and Analysis (#WIA1002)	4
	WIA2001	Database	3		Specialization Elective (1) [⊗]	3
	WIA2002	Software Modeling	3		Specialization Elective (2) [⊗]	3
2	WIA2003	Probability and Statistics	3		Specialization Elective (3) [⊗]	3
	WIA2007	Mobile Application Development	4		KIAR: Integrity and Anti-Corruption course	2
		Total	21		Total	21
C	Course Code	Semester 1	Credits	Course Code	Semester 2	Credits
	WIA3001	Industrial Training *	12	WIA3002	Academic Project I **	3
		-			Specialization Elective (4) [⊗]	3
					Specialization Elective (5) [⊗]	3
					Specialization Elective (6) [⊗]	3
					Specialization Elective (7) [⊗]	3
3					University Elective (Cluster 1): Thinking Matters: Mind &	2
3					Intellect	2
					University Elective (Cluster 2): Technology/Artificial	2
					Intelligence and Data Analytics: i-Techie	2
		Total	12		Total	19
C	Course Code	Semester 1	Credits		Credit Distribution	
		Co-Curriculum (2)	2		Course Component	Credits
	WIA3003	Academic Project II (#WIA3002)	5		University Courses	14
		Specialization Elective (8) [⊗]	3		Faculty Core Courses	17
	_	Specialization Elective (9) [⊗]	3		University Elective Courses	8
4		Specialization Elective (10) [⊗]	3		Programme Core Courses	59
		University Elective (Cluster 3): Global Issues and Community Sustainability: Making the World a Better Place	2		Specialization Elective Courses [⊗]	30
		Total	18		TOTAL CREDITS FOR GRADUATION	128
				nmunity Sustainability: Making the World a Better Place	nmunity Sustainability: Making the World a Better Place	nmunity Sustainability: Making the World a Better Place

Prerequisite.

Taken all Faculty and Programme Core Courses except Academic Project I and Academic Project II.

Pass all Faculty and Programme Core Courses except for Industrial Training and Academic Project II.

Each Specialization Elective Course is only offered ONCE every academic session, either on Semester 1 OR Semester 2.

CURRICULUM STRUCTURE BACHELOR OF COMPUTER SCIENCE (INFORMATION SYSTEMS) ACADEMIC SESSION 2024/2025

	COURSE COMPONENT		
COURSE CODE	UNIVERSITY COURSES	CREDITS	SEMESTER
GIG1012	Philosophy and Current Issues (for local student only)	_	_
GLT1049	Basic Malay Language (for international student)	2	2
GIG1013	Appreciation of Ethics and Civilizations	2	1
GIG1003	Basic Entrepreneurship Culture	2	1
GLTXXXX	English for Communication (1)	2	1
GLTXXXX	English for Communication (2)	2	2
	Co-Curriculum (1)	2	2
	Co-Curriculum (1)	2	1
	Total	14	
2011005 2005	FACILITY CORE COURSES	ODEDITO	OFMESTER
COURSE CODE	FACULTY CORE COURSES	CREDITS	SEMESTER
WIX1001	Computing Mathematics I	3	1
WIX1002 WIX1003	Fundamentals of Programming	5	1
	Computer Systems and Organization Thinking and Communication Skills	3	1
WIX2001 WIX2002	Thinking and Communication Skills Project Management	3	1
VVIAZUUZ	Total	17	<u> </u>
	Total		
COURSE CORE	EXTERNAL UNIVERSITY ELECTIVE COURSES	ODEDITO	051450755
COURSE CODE	STUDENT HOLISTIC EMPOWERMENT (SHE)	CREDITS	SEMESTER
	University Elective (Cluster 1) - Thinking Matters: Mind & Intellect	2	2
	University Elective (Cluster 2) - Technology/Artificial Intelligence and Data Analytics: i-Techie	2	2
	University Elective (Cluster 3 - Global Issues and Community Sustainability: Making the World a Better Place	2	1
	KIAR: Integrity and Anti-Corruption course	2	2
	Total	8	
	Total		
COURSE CODE	PROGRAMME CORE COURSES	CREDITS	SEMESTER
WIA1001	Information Systems	3	1
WIA1002	Data Structure (#WIX1002)	5	2
WIA1003	Computer System Architecture (#WIX1003)	3	2
WIA1005	Network Technology Foundation	4	2
WIA1006	Machine Learning	3	2
WIA2001	Database	3	1
WIA2003	Probability and Statistics	3	1
WIA2004	Operating Systems	4	2
WIA2005	Algorithm Design and Analysis (#WIA1002)	4	2
WIA2006	System Analysis and Design	3	1
WIA2007	Mobile Application Development	4	1
WIA3001	Industrial Training * Academic Project I **	12	1
WIA3002 WIA3003	Academic Project II (#WIA3002)	<u>3</u> 5	1
VVIASOUS	Total	59	<u>'</u>
	Total		
COURSE CODE	SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses)	CREDITS	SEMESTER
WIC2008	Internet of Things	3	1 or 2
WIE2001	Trends in Information Systems	3	1 or 2
WIE2002	Open-Source Programming: Application and Technology	3	1 or 2
WIE2003	Introduction to Data Science	3	1 or 2
WIE2005	Information Retrieval and Web Search	3	1 or 2
WIE3001	Advanced Database	3	1 or 2
WIE3002	Electronic Commerce	3	1 or 2
WIE3003	Information System Control and Security	3	1 or 2
WIE3005	Knowledge Management and Engineering	3	1 or 2
WIE3006 WIE3007	Information System Auditing Data Mining and Warehousing	3	1 or 2 1 or 2
WIE3007 WIE3010	Data Mining and warenousing Data Visualization	3	1 or 2
WIE3010 WIE3012	Business Analytics and Intelligence	3	1 or 2
WIF2003	Web Programming	3	1 or 2
VVII 2000	Total	30	1012
	TOTAL CREDITS FOR GRADUATION	128	

Pre-requisite.

Taken all Faculty and Programme Core Courses except Academic Project I and Academic Project II.

Pass all Faculty and Programme Core Courses except for Industrial Training and Academic Project II.

Each Specialization Elective Course is only offered ONCE every academic session, either on Semester 1 OR Semester 2.

COURSE PLANNING FOR BACHELOR OF COMPUTER SCIENCE (INFORMATION SYSTEMS) ACADEMIC SESSION 2024/2025

Level	Course Code	Semester 1	Credits	Course Code	Semester 2	Credits
	GIG1003	Basic Entrepreneurship Culture	2	GIG1012 / GLT1049	Philosophy and Current Issues (for local student only) / Basic Malay Language (for international student)	2
	GLTXXXX	English for Communication (1)	2	GLTXXXX	English for Communication (2)	2
	WIX1001	Computing Mathematics I	3	WIA1002	Data Structure (#WIX1002)	5
1	WIX1002	Fundamentals of Programming	5	WIA1003	Computer System Architecture (#WIX1003)	3
-	WIX1003	Computer Systems and Organization	3	WIA1005	Network Technology Foundation	4
	WIA1001	Information Systems	3	WIA1006	Machine Learning	3
		,			•	
		Total	18		Total	19
	Course Code	Semester 1	Credits	Course Code	Semester 2	Credits
	GIG1013	Appreciation of Ethics and Civilizations	2	200.00000	Co-Curriculum (1)	2
	WIX2001	Thinking and Communication Skills	3	WIA2004	Operating Systems	4
	WIX2002	Project Management	3	WIA2005	Algorithm Design and Analysis (#WIA1002)	4
	WIA2001	Database	3		Specialization Elective (1) ®	3
	WIA2003	Probability and Statistics	3		Specialization Elective (2) [⊗]	3
2	WIA2006	System Analysis and Design	3		Specialization Elective (3) [⊗]	3
	WIA2007	Mobile Application Development	4		KIAR: Integrity and Anti-Corruption course	2
		''			Transit integrity and runa consuption course	
		Total	21		Total	21
	Course Code	Semester 1	Credits	Course Code	Semester 2	Credits
	WIA3001	Industrial Training *	12	WIA3002	Academic Project I **	3
					Specialization Elective (4) [®]	3
					Specialization Elective (5) [⊗]	3
					Specialization Elective (6) [®]	3
					Specialization Elective (7) [⊗]	3
3					University Elective (Cluster 1): Thinking Matters: Mind & Intellect	2
					University Elective (Cluster 2): Technology/Artificial Intelligence and Data Analytics: i-Techie	2
		Total	12		Total	19
		lotai	12	-	lotai	19
	Course Code	Semester 1	Credits		Credit Distribution	
	300103 0000	Co-Curriculum (2)	2		Course Component	Credits
	WIA3003	Academic Project II (#WIA3002)	5		University Courses	14
		Specialization Elective (8) ®	3		Faculty Core Courses	17
		Specialization Elective (9) [⊗]	3		University Elective Courses	8
4		Specialization Elective (10) ®	3		Programme Core Courses	59
		• • • • • • • • • • • • • • • • • • • •	-		-	
		University Elective (Cluster 3): Global Issues and Community Sustainability: Making the World a Better Place	2		Specialization Elective Courses	30
		Total	18	-	TOTAL CREDITS FOR GRADUATION	128
1		lotal	10		TOTAL CREDITS FOR GRADUATION	120

Pre-requisite.
Taken all Faculty and Programme Core Courses except Academic Project I and Academic Project II.
Pass all Faculty and Programme Core Courses except for Industrial Training and Academic Project II.
Each Specialization Elective Course is only offered ONCE every academic session, either on Semester 1 OR Semester 2.

CURRICULUM STRUCTURE BACHELOR OF COMPUTER SCIENCE (COMPUTER SYSTEM AND NETWORK) ACADEMIC SESSION 2024/2025

COURSE CORE	COURSE COMPONENT	CDEDITO	CEMECTED
COURSE CODE	UNIVERSITY COURSES	CREDITS	SEMESTER
GIG1012	Philosophy and Current Issues (for local student only)	2	2
GLT1049	Basic Malay Language (for international student)	2	
GIG1013 GIG1003	Appreciation of Ethics and Civilizations Basic Entrepreneurship Culture	2	1 1
GLTXXXX	English for Communication (1)	2	1
GLTXXXX	English for Communication (2)	2	2
OLITOOOL	Co-Curriculum (1)	2	2
	Co-Curriculum (2)	2	1
	Total	14	
COURSE CODE	FACULTY CORE COURSES	CREDITS	SEMESTER
WIX1001	Computing Mathematics I	3	1
WIX1002	Fundamentals of Programming	5	1
WIX1003	Computer Systems and Organization	3	1
WIX2001	Thinking and Communication Skills	3	1
WIX2002	Project Management	3	1
	Total	17	
COURSE CODE	EXTERNAL UNIVERSITY ELECTIVE COURSES STUDENT HOLISTIC EMPOWERMENT (SHE)	KREDIT	SEMESTER
	University Elective (Cluster 1) - Thinking Matters: Mind & Intellect	2	2
	University Elective (Cluster 2) - Technology/Artificial Intelligence and Data Analytics: i-Techie	2	2
	University Elective (Cluster 3 - Global Issues and Community Sustainability: Making the World a Better Place	2	1
	KIAR: Integrity and Anti-Corruption course	2	2
	Total	8	
COURSE CODE	PROGRAMME CORE COURSES	CREDITS	SEMESTER
WIA1002 WIA1003	Data Structure (#WIX1002) Computer System Architecture (#WIX1003)	5 3	2 2
WIA1005 WIA1005	Network Technology Foundation	4	2
WIA1005 WIA1006	Machine Learning	3	2
WIA2001	Database	3	1
WIA2003	Probability and Statistics	3	1
WIA2004	Operating Systems	4	2
WIA2005	Algorithm Design and Analysis (#WIA1002)	4	2
WIA2006	System Analysis and Design	3	1
WIA2008	Advanced Network Technology (#WIA1005)	4	1
WIA2009	Digital Design and Hardware Description Language (#WIA1003 & #WIX1003)	3	1
WIA3001	Industrial Training *	12	1
WIA3002 WIA3003	Academic Project I ** Academic Project II (#WIA3002)	3 5	<u>2</u> 1
WIASUUS	Academic Project ii (#WIA3002) Total	59	ı
	Total	39	
COURSE CODE	SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses)	CREDITS	SEMESTER
WIC2002	Network Security	3	1 or 2
WIC2004	Internet Technology	3	1 or 2
WIC2005	Programmable Network (#WIA2008)	3	1 or 2
WIC2006	Digital Forensic	3	1 or 2
WIC2007	Cyber Security	3	1 or 2
WIC2008	Internet of Things (#WIA1005) Mathematics in Networking	3	1 or 2
WIC3001 WIC3002	Cryptography	3	1 or 2 1 or 2
WIC3002 WIC3003	Embedded System Programming	3	1 or 2
WIC3004	Computer Penetration	3	1 or 2
WIC3005	Enterprise Network Design and Management (#WIA1005)	3	1 or 2
WIC3006	Mobile Computing	3	1 or 2
WIC3007	Principles of Distributed System (#WIA1005)	3	1 or 2
WIC3008	Microprocessor	3	1 or 2
WIC3009	Parallel Programming	3	1 or 2
	Total	30	
	TOTAL CREDITS FOR GRADUATION	128	

- Pre-requisite.

 Taken all Faculty and Programme Core Courses except Academic Project I and Academic Project II.

 Pass all Faculty and Programme Core Courses except for Industrial Training and Academic Project II.

COURSE PLANNING FOR BACHELOR OF COMPUTER SCIENCE (COMPUTER SYSTEM AND NETWORK) ACADEMIC SESSION 2024/2025

	Course Code	Semester 1	Credits	Course Code	Semester 2	Credits
	GIG1003	Basic Entrepreneurship Culture	2	GIG1012 /	Philosophy and Current Issues (for local student only) / Basic	
		Basic Entrepreneursing Culture	2	GLT1049	Malay Language (for international student)	2
	GLTXXXX	English for Communication (1)	2	GLTXXXX	English for Communication (2)	2
	WIX1001	Computing Mathematics I	3	WIA1002	Data Structure (#WIX1002)	5
4	WIX1002	Fundamentals of Programming	5	WIA1003	Computer System Architecture (#WIX1003)	3
1	WIX1003	Computer Systems and Organization	3	WIA1005	Network Technology Foundation	4
	WIX2001	Thinking and Communication Skills	3	WIA1006	Machine Learning	3
		Total	18		Total	19
	Course Code	Semester 1	Credits	Course Code	Semester 2	Credits
	GIG1013	Appreciation of Ethics and Civilizations	2		Co-Curriculum (1)	2
	WIX2002	Project Management	3	WIA2004	Operating Systems	4
	WIA2001	Database	3	WIA2005	Algorithm Design and Analysis (#WIA1002)	4
	WIA2003	Probability and Statistics	3		Specialization Elective (1) ®	3
	WIA2006	System Analysis and Design	3		Specialization Elective (2) [⊗]	3
_	WIA2008	Advanced Network Technology (#WIA1005)	4		Specialization Elective (3) [®]	3
2	WIA2009	Digital Design and Hardware Description Language	3		KIAR: Integrity and Anti-Corruption course	2
	WIA2009	(#WIX1003 & #WIA1003)	3		NAN: Integrity and Anti-Goraphon course	2
		Total	21		Total	21
	Course Code	Semester 1	Credits	Course Code	Semester 2	Credits
	WIA3001	Industrial Training *	12	WIA3002	Acadomic Project I **	3
		muusmai maining		WIAGOUZ	Academic Project I **	-
		muusinai maining		VVIAGOUZ	Specialization Elective (4) [®]	3
		industrial Training	12	VVIAGOUZ	Specialization Elective (4) [®] Specialization Elective (5) [®]	3
		industrial Training	12	VVIAGUE	Specialization Elective (4) [®] Specialization Elective (5) [®] Specialization Elective (6) [®]	3 3 3
		industrial Training		WINGOOZ	Specialization Elective (4) [®] Specialization Elective (5) [®]	3
		industrial Training		WINOUZ	Specialization Elective (4) [®] Specialization Elective (5) [®] Specialization Elective (6) [®] Specialization Elective (7) [®]	3 3 3 3
3		industrial Training		WINOUZ	Specialization Elective (4) [®] Specialization Elective (5) [®] Specialization Elective (6) [®] Specialization Elective (7) [®] University Elective (Cluster 1): Thinking Matters: Mind &	3 3 3
3		industrial Training		WINOUZ	Specialization Elective (4) [®] Specialization Elective (5) [®] Specialization Elective (6) [®] Specialization Elective (7) [®] University Elective (Cluster 1): Thinking Matters: Mind & Intellect	3 3 3 3 2
3		industrial Training		WINOUZ	Specialization Elective (4) ® Specialization Elective (5) ® Specialization Elective (6) ® Specialization Elective (7) ® University Elective (Cluster 1): Thinking Matters: Mind & Intellect University Elective (Cluster 2): Technology/Artificial	3 3 3 3
3		industrial Training		WINOUZ	Specialization Elective (4) [®] Specialization Elective (5) [®] Specialization Elective (6) [®] Specialization Elective (7) [®] University Elective (Cluster 1): Thinking Matters: Mind & Intellect	3 3 3 3 2
3				WINOUZ	Specialization Elective (4) ® Specialization Elective (5) ® Specialization Elective (6) ® Specialization Elective (7) ® University Elective (Cluster 1): Thinking Matters: Mind & Intellect University Elective (Cluster 2): Technology/Artificial Intelligence and Data Analytics: i-Techie	3 3 3 3 2 2
3		Total	12	WINOUZ	Specialization Elective (4) ® Specialization Elective (5) ® Specialization Elective (6) ® Specialization Elective (7) ® University Elective (Cluster 1): Thinking Matters: Mind & Intellect University Elective (Cluster 2): Technology/Artificial	3 3 3 3 2
3	Course Code	Total	12	WINOUZ	Specialization Elective (4) ® Specialization Elective (5) ® Specialization Elective (6) ® Specialization Elective (7) ® University Elective (Cluster 1): Thinking Matters: Mind & Intellect University Elective (Cluster 2): Technology/Artificial Intelligence and Data Analytics: i-Techie Total	3 3 3 3 2 2
3	Course Code	Total Semester 1	12 Credits	WINOUZ	Specialization Elective (4) ® Specialization Elective (5) ® Specialization Elective (6) ® Specialization Elective (7) ® University Elective (Cluster 1): Thinking Matters: Mind & Intellect University Elective (Cluster 2): Technology/Artificial Intelligence and Data Analytics: i-Techie Total Credit Distribution	3 3 3 3 2 2
3		Total Semester 1 Co-Curriculum (2)	12 Credits	WINOUZ	Specialization Elective (4) ® Specialization Elective (5) ® Specialization Elective (6) ® Specialization Elective (7) ® University Elective (Cluster 1): Thinking Matters: Mind & Intellect University Elective (Cluster 2): Technology/Artificial Intelligence and Data Analytics: i-Techie Total Credit Distribution Course Component	3 3 3 3 2 2 2 19
3	Course Code WIA3003	Total Semester 1 Co-Curriculum (2) Academic Project II (#WIA3002)	12 Credits 2 5	WINOUZ	Specialization Elective (4) ® Specialization Elective (5) ® Specialization Elective (6) ® Specialization Elective (7) ® University Elective (Cluster 1): Thinking Matters: Mind & Intellect University Elective (Cluster 2): Technology/Artificial Intelligence and Data Analytics: i-Techie Total Credit Distribution Course Component University Courses	3 3 3 3 2 2 2 19
3		Total Semester 1 Co-Curriculum (2) Academic Project II (#WIA3002) Specialization Elective (8) [®]	12 Credits 2 5 3	WINOUZ	Specialization Elective (4) ® Specialization Elective (5) ® Specialization Elective (6) ® Specialization Elective (7) ® University Elective (Cluster 1): Thinking Matters: Mind & Intellect University Elective (Cluster 2): Technology/Artificial Intelligence and Data Analytics: i-Techie Total Credit Distribution Course Component University Courses Faculty Core Courses	3 3 3 3 2 2 2 19 Credits 14 17
		Total Semester 1 Co-Curriculum (2) Academic Project II (#WIA3002) Specialization Elective (8) ® Specialization Elective (9) ®	12 Credits 2 5 3 3	WINOUZ	Specialization Elective (4) ® Specialization Elective (5) ® Specialization Elective (6) ® Specialization Elective (7) ® University Elective (Cluster 1): Thinking Matters: Mind & Intellect University Elective (Cluster 2): Technology/Artificial Intelligence and Data Analytics: i-Techie Total Credit Distribution Course Component University Courses Faculty Core Courses University Elective Courses	3 3 3 3 2 2 2 19 Credits 14 17 8
4		Total Semester 1 Co-Curriculum (2) Academic Project II (#WIA3002) Specialization Elective (8) Specialization Elective (9) Specialization Elective (10) Specialization Elective (10) Specialization Elective (10)	12 Credits 2 5 3 3 3	WINOUZ	Specialization Elective (4) ® Specialization Elective (5) ® Specialization Elective (6) ® Specialization Elective (7) ® University Elective (Cluster 1): Thinking Matters: Mind & Intellect University Elective (Cluster 2): Technology/Artificial Intelligence and Data Analytics: i-Techie Total Credit Distribution Course Component University Courses Faculty Core Courses University Elective Courses Programme Core Courses	3 3 3 3 2 2 2 19 Credits 14 17
		Total Semester 1 Co-Curriculum (2) Academic Project II (#WIA3002) Specialization Elective (8) ® Specialization Elective (9) ® Specialization Elective (10) ® University Elective (Cluster 3): Global Issues and	12 Credits 2 5 3 3	WINOUZ	Specialization Elective (4) ® Specialization Elective (5) ® Specialization Elective (6) ® Specialization Elective (7) ® University Elective (Cluster 1): Thinking Matters: Mind & Intellect University Elective (Cluster 2): Technology/Artificial Intelligence and Data Analytics: i-Techie Total Credit Distribution Course Component University Courses Faculty Core Courses University Elective Courses	3 3 3 3 2 2 2 19 Credits 14 17 8
		Total Semester 1 Co-Curriculum (2) Academic Project II (#WIA3002) Specialization Elective (8) Specialization Elective (9) Specialization Elective (10) Specialization Elective (10) Specialization Elective (10)	12 Credits 2 5 3 3 3	WINOUZ	Specialization Elective (4) ® Specialization Elective (5) ® Specialization Elective (6) ® Specialization Elective (7) ® University Elective (Cluster 1): Thinking Matters: Mind & Intellect University Elective (Cluster 2): Technology/Artificial Intelligence and Data Analytics: i-Techie Total Credit Distribution Course Component University Courses Faculty Core Courses University Elective Courses Programme Core Courses	3 3 3 3 2 2 2 19 Credits 14 17 8 59
		Total Semester 1 Co-Curriculum (2) Academic Project II (#WIA3002) Specialization Elective (8) ® Specialization Elective (9) ® Specialization Elective (10) ® University Elective (Cluster 3): Global Issues and	12 Credits 2 5 3 3 3	WINOUZ	Specialization Elective (4) ® Specialization Elective (5) ® Specialization Elective (6) ® Specialization Elective (7) ® University Elective (Cluster 1): Thinking Matters: Mind & Intellect University Elective (Cluster 2): Technology/Artificial Intelligence and Data Analytics: i-Techie Total Credit Distribution Course Component University Courses Faculty Core Courses University Elective Courses Programme Core Courses	3 3 3 3 2 2 2 19 Credits 14 17 8 59

- Pre-requisite.

- Taken all Faculty and Programme Core Courses except Academic Project I and Academic Project II.

 Pass all Faculty and Programme Core Courses except for Industrial Training and Academic Project II.

 Each Specialization Elective Course is only offered ONCE every academic session, either on Semester 1 OR Semester 2.

CURRICULUM STRUCTURE BACHELOR OF COMPUTER SCIENCE (MULTIMEDIA COMPUTING) ACADEMIC SESSION 2024/2025

	COURSE COMPONENT		
COURSE CODE	UNIVERSITY COURSES	CREDITS	SEMESTER
GIG1012	Philosophy and Current Issues (for local student only)		
GLT1049	Basic Malay Language (for international student)	2	2
GIG1013	Appreciation of Ethics and Civilizations	2	1
GIG1003	Basic Entrepreneurship Culture	2	1
GLTXXXX	English for Communication (1)	2	1
GLTXXXX	English for Communication (2)	2	2
	Co-Curriculum (1)	2	2
	Co-Curriculum (2)	2	1
	Total	14	
COURSE CODE	FACULTY CORE COURSES	CREDITS	SEMESTER
WIX1001	Computing Mathematics I	3	1
WIX1001	Fundamentals of Programming	5	1
WIX1003	Computer Systems and Organization	3	1
WIX2001	Thinking and Communication Skills	3	1
WIX2002	Project Management	3	1
	Total	17	
COURSE CODE	EXTERNAL UNIVERSITY ELECTIVE COURSES STUDENT HOLISTIC EMPOWERMENT (SHE)	CREDITS	SEMESTER
	University Elective (Cluster 1) - Thinking Matters: Mind & Intellect	2	2
	University Elective (Cluster 2) - Technology/Artificial Intelligence and Data		
	Analytics: i-Techie	2	2
	University Elective (Cluster 3 - Global Issues and Community Sustainability:	2	1
	Making the World a Better Place	-	2
	KIAR: Integrity and Anti-Corruption course	2	2
	Total	8	
COURSE CODE	PROGRAMME CORE COURSES	CREDITS	SEMESTER
WIA1002	Data Structure (#WIX1002)	5	2
WIA1003	Computer System Architecture (#WIX1003)	3	2
WIA1005	Network Technology Foundation	4	2
WIA1006	Machine Learning	3	2
WIA1008	Fundamental of Multimedia	3	1
WIA2001	Database	3	1
14/14/0000			
WIA2003	Probability and Statistics	3	1
WIA2004	Operating Systems	4	2
WIA2004 WIA2005	Operating Systems Algorithm Design and Analysis (#WIA1002)	4	2 2
WIA2004 WIA2005 WIA2006	Operating Systems Algorithm Design and Analysis (#WIA1002) System Analysis and Design	4 4 3	2 2 1
WIA2004 WIA2005 WIA2006 WIA2007	Operating Systems Algorithm Design and Analysis (#WIA1002) System Analysis and Design Mobile Application Development	4 4 3 4	2 2 1 1
WIA2004 WIA2005 WIA2006 WIA2007 WIA3001	Operating Systems Algorithm Design and Analysis (#WIA1002) System Analysis and Design Mobile Application Development Industrial Training *	4 4 3 4 12	2 2 1 1 1
WIA2004 WIA2005 WIA2006 WIA2007	Operating Systems Algorithm Design and Analysis (#WIA1002) System Analysis and Design Mobile Application Development Industrial Training * Academic Project I **	4 4 3 4	2 2 1 1
WIA2004 WIA2005 WIA2006 WIA2007 WIA3001 WIA3002	Operating Systems Algorithm Design and Analysis (#WIA1002) System Analysis and Design Mobile Application Development Industrial Training *	4 4 3 4 12 3	2 2 1 1 1 2
WIA2004 WIA2005 WIA2006 WIA2007 WIA3001 WIA3002 WIA3003	Operating Systems Algorithm Design and Analysis (#WIA1002) System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total	4 4 3 4 12 3 5 5	2 2 1 1 1 2 1
WIA2004 WIA2005 WIA2006 WIA2007 WIA3001 WIA3002 WIA3003 COURSE CODE	Operating Systems Algorithm Design and Analysis (#WIA1002) System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses)	4 4 3 4 12 3 5 5 59	2 2 1 1 1 2 1 SEMESTER
WIA2004 WIA2005 WIA2006 WIA2007 WIA3001 WIA3002 WIA3003 COURSE CODE WIG2001	Operating Systems Algorithm Design and Analysis (#WIA1002) System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Digital Image Processing	4 4 3 4 12 3 5 5 59 CREDITS	2 2 1 1 1 2 1 SEMESTER 1 atau 2
WIA2004 WIA2005 WIA2006 WIA2007 WIA3001 WIA3002 WIA3003 COURSE CODE WIG2001 WIG2002	Operating Systems Algorithm Design and Analysis (#WIA1002) System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Digital Image Processing Computer Graphics	4 4 3 4 12 3 5 5 59 CREDITS	2 2 1 1 1 2 1 SEMESTER 1 atau 2 1 atau 2
WIA2004 WIA2005 WIA2006 WIA2007 WIA3001 WIA3002 WIA3003 COURSE CODE WIG2001 WIG2002 WIG2004	Operating Systems Algorithm Design and Analysis (#WIA1002) System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Digital Image Processing Computer Graphics Audio Synthesis	4 4 3 4 12 3 5 5 59 CREDITS	2 2 1 1 1 2 1 SEMESTER 1 atau 2 1 atau 2 1 atau 2
WIA2004 WIA2005 WIA2006 WIA2007 WIA3001 WIA3002 WIA3003 COURSE CODE WIG2001 WIG2002 WIG2004 WIG2005	Operating Systems Algorithm Design and Analysis (#WIA1002) System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Digital Image Processing Computer Graphics Audio Synthesis Interactive Design	4 4 4 3 4 12 3 5 5 59 CREDITS	2 2 1 1 1 2 1 5EMESTER 1 atau 2 1 atau 2 1 atau 2
WIA2004 WIA2005 WIA2006 WIA2007 WIA3001 WIA3002 WIA3003 COURSE CODE WIG2001 WIG2002 WIG2004 WIG2005 WIG3001	Operating Systems Algorithm Design and Analysis (#WIA1002) System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Digital Image Processing Computer Graphics Audio Synthesis Interactive Design Mathematics for Multimedia	4 4 4 3 4 12 3 5 5 59 CREDITS 3 3 3 3 3	2 2 1 1 1 2 1 5EMESTER 1 atau 2 1 atau 2 1 atau 2 1 atau 2 1 atau 2
WIA2004 WIA2005 WIA2006 WIA2007 WIA3001 WIA3002 WIA3003 COURSE CODE WIG2001 WIG2002 WIG2004 WIG2005	Operating Systems Algorithm Design and Analysis (#WIA1002) System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Digital Image Processing Computer Graphics Audio Synthesis Interactive Design	4 4 4 3 4 12 3 5 5 59 CREDITS	2 2 1 1 1 2 1 5EMESTER 1 atau 2 1 atau 2 1 atau 2
WIA2004 WIA2005 WIA2006 WIA2007 WIA3001 WIA3002 WIA3003 COURSE CODE WIG2001 WIG2002 WIG2004 WIG2005 WIG3001 WIG3001 WIG3002	Operating Systems Algorithm Design and Analysis (#WIA1002) System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Digital Image Processing Computer Graphics Audio Synthesis Interactive Design Mathematics for Multimedia Rendering and Animation Multimedia Programming Virtual Reality	4 4 4 3 4 12 3 5 5 59 CREDITS 3 3 3 3 3 3	2 2 1 1 1 2 1 1 SEMESTER 1 atau 2 1 atau 2 1 atau 2 1 atau 2 1 atau 2 1 atau 2
WIA2004 WIA2005 WIA2006 WIA2007 WIA3001 WIA3002 WIA3003 COURSE CODE WIG2001 WIG2002 WIG2004 WIG2005 WIG3001 WIG3002 WIG3002 WIG3002 WIG3003	Operating Systems Algorithm Design and Analysis (#WIA1002) System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Digital Image Processing Computer Graphics Audio Synthesis Interactive Design Mathematics for Multimedia Rendering and Animation Multimedia Programming	4 4 4 3 4 12 3 5 5 59 CREDITS 3 3 3 3 3 3 3	2 2 1 1 1 2 1 1 SEMESTER 1 atau 2 1 atau 2 1 atau 2 1 atau 2 1 atau 2 1 atau 2 1 atau 2
WIA2004 WIA2005 WIA2006 WIA2007 WIA3001 WIA3002 WIA3003 COURSE CODE WIG2001 WIG2001 WIG2004 WIG2005 WIG3001 WIG3002 WIG3004 WIG3005 WIG3004 WIG3005 WIG3006	Operating Systems Algorithm Design and Analysis (#WIA1002) System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Digital Image Processing Computer Graphics Audio Synthesis Interactive Design Mathematics for Multimedia Rendering and Animation Multimedia Programming Virtual Reality Game Development Digital Video Processing	4 4 4 3 3 4 12 3 5 5 59 CREDITS 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	2 2 1 1 1 2 1 2 1 1 SEMESTER 1 atau 2 1
WIA2004 WIA2005 WIA2006 WIA2007 WIA3001 WIA3002 WIA3003 COURSE CODE WIG2001 WIG2002 WIG2004 WIG2005 WIG3001 WIG3002 WIG3001 WIG3002 WIG3003 WIG3004 WIG3005 WIG3006 WIG3007	Operating Systems Algorithm Design and Analysis (#WIA1002) System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Digital Image Processing Computer Graphics Audio Synthesis Interactive Design Mathematics for Multimedia Rendering and Animation Multimedia Programming Virtual Reality Game Development Digital Video Processing Special Topics in Multimedia	4 4 4 3 3 4 12 3 5 5 9 CREDITS 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	2 2 1 1 1 2 1 2 1 1 SEMESTER 1 atau 2 1
WIA2004 WIA2005 WIA2006 WIA2007 WIA3001 WIA3002 WIA3003 COURSE CODE WIG2001 WIG2002 WIG2004 WIG2005 WIG3001 WIG3002 WIG3004 WIG3002 WIG3003 WIG3004 WIG3005 WIG3006 WIG3007 WIG3008	Operating Systems Algorithm Design and Analysis (#WIA1002) System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Digital Image Processing Computer Graphics Audio Synthesis Interactive Design Mathematics for Multimedia Rendering and Animation Multimedia Programming Virtual Reality Game Development Digital Video Processing Special Topics in Multimedia Multimedia Forensic and Security	4 4 4 3 3 4 12 3 5 5 59 CREDITS 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	2 2 1 1 1 2 1 2 1 1 2 1 4 4 2 1 atau 2 1 atau 2
WIA2004 WIA2005 WIA2006 WIA2007 WIA3001 WIA3002 WIA3003 COURSE CODE WIG2001 WIG2002 WIG2004 WIG2005 WIG3001 WIG3002 WIG3001 WIG3002 WIG3006 WIG3006 WIG3008 WIG3008	Operating Systems Algorithm Design and Analysis (#WIA1002) System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Digital Image Processing Computer Graphics Audio Synthesis Interactive Design Mathematics for Multimedia Rendering and Animation Multimedia Programming Virtual Reality Game Development Digital Video Processing Special Topics in Multimedia Multimedia Forensic and Security Data Visualization	4 4 4 3 3 4 12 3 5 5 9 CREDITS 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	2 2 1 1 1 2 1 2 1 1 2 1 atau 2 1 atau 2
WIA2004 WIA2005 WIA2006 WIA2007 WIA3001 WIA3002 WIA3003 COURSE CODE WIG2001 WIG2002 WIG2004 WIG2005 WIG3001 WIG3002 WIG3004 WIG3002 WIG3003 WIG3004 WIG3005 WIG3006 WIG3007 WIG3008	Operating Systems Algorithm Design and Analysis (#WIA1002) System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Digital Image Processing Computer Graphics Audio Synthesis Interactive Design Mathematics for Multimedia Rendering and Animation Multimedia Programming Virtual Reality Game Development Digital Video Processing Special Topics in Multimedia Multimedia Forensic and Security Data Visualization Web Programming	4 4 4 3 3 4 12 3 5 5 9 CREDITS 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	2 2 1 1 1 2 1 2 1 1 2 1 4 4 2 1 atau 2 1 atau 2
WIA2004 WIA2005 WIA2006 WIA2007 WIA3001 WIA3002 WIA3003 COURSE CODE WIG2001 WIG2002 WIG2004 WIG2005 WIG3001 WIG3002 WIG3001 WIG3002 WIG3006 WIG3006 WIG3008 WIG3008	Operating Systems Algorithm Design and Analysis (#WIA1002) System Analysis and Design Mobile Application Development Industrial Training * Academic Project I ** Academic Project II (#WIA3002) Total SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses) Digital Image Processing Computer Graphics Audio Synthesis Interactive Design Mathematics for Multimedia Rendering and Animation Multimedia Programming Virtual Reality Game Development Digital Video Processing Special Topics in Multimedia Multimedia Forensic and Security Data Visualization	4 4 4 3 3 4 12 3 5 5 9 CREDITS 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	2 2 1 1 1 2 1 2 1 1 2 1 atau 2 1 atau 2

Pre-requisite.

Taken all Faculty and Programme Core Courses except Academic Project I and Academic Project II.

Pass all Faculty and Programme Core Courses except for Industrial Training and Academic Project II.

COURSE PLANNING FOR BACHELOR OF COMPUTER SCIENCE (MULTIMEDIA COMPUTING) ACADEMIC SESSION 2024/2025

GIG1003 Basic Entrepreneurship Culture 2 GIG1012 / MIX1001 Computing Mathematics 3 3 WIX1002 Computing Mathematics 3 3 WIX1003 Computer Systems and Organization 3 WIX1004 Computer Systems and Organization 3 WIX1005 Computer Systems and Organization 4 WIX1006 WIX1007 Computer Systems and Organization 4 WIX1007 Computer Systems and Organization 4 WIX1006 WIX	Level	Course Code	Semester 1	Credits	Course Code	Semester 2	Credits
Wix1002 Fundamentals of Programing 5 Wix1002 Fundamentals of Programing 5 Wix1003 Computer Systems and Organization 3 Wix1008 Fundamental of Multimedia 3 Wix1008 Machine Learning 3 Wix1009 Machine Learning 3 Wix1008 Machine Learning 3 Wix1009 Machine Learning 3 Wix1008 Mix1008		GIG1003	Basic Entrepreneurship Culture	2			2
Wix1003							2
WIX1003		WIX1001	Computing Mathematics I				5
WIX1003	1	WIX1002	Fundamentals of Programming	5	WIA1003	Computer System Architecture (#WIX1003)	3
Course Code	•			3		Network Technology Foundation	4
Course Code Semester 1 Credits		WIA1008	Fundamental of Multimedia	3	WIA1006		3
Co-Curriculum (1) Co-Curriculum (2) Co-C			Total	18		Total	19
Co-Curriculum (1) Co-Curriculum (2) Co-C		Course Code	Somestor 1	Cradite	Course Code	Somestor 2	Crodite
Wix2001					Course code		
WIX2002					WIA2004		
WIA2001 Database 3							
WIA2003 Probability and Statistics 3 3					VIA2003	Specialization Flective (1) 8	
Vivia							
WIA2007 Mobile Application Development	2						
Total 21 Course Code Semester 1 Credits			, , , , , , , , , , , , , , , , , , , ,			 '	
Course Code Semester 1		***************************************	Westle / Application Bereiepinent			NAN. Integrity and Anti-Confuption course	
WIB3001 Industrial Training * 12			Total	21		Total	21
WIB3001 Industrial Training * 12							
Specialization Elective (4) ® 3 Specialization Elective (5) ® 3 Specialization Elective (6) ® 3 Specialization Elective (6) ® 3 Specialization Elective (6) ® 3 Specialization Elective (7) ® 3 University Elective (Cluster 1): Thinking Matters: Mind & 2 Intellect University Elective (Cluster 1): Thinking Matters: Mind & 2 Intellect University Elective (Cluster 1): Technology/Artificial 1 Intelligence and Data Analytics: i-Techie Course Code Semester 1 Credits ViA3003 Academic Project II (#WIA3002) Specialization Elective (8) ® 3 Specialization Elective (8) ® 3 Specialization Elective (8) ® 3 Specialization Elective (9) ® 3 University Courses 114 Faculty Core Courses 177 University Elective Courses 18 Programme Core Courses 59 Specialization Elective (Cluster 3): Global Issues and 2 Community Sustainability: Making the World a Better Place 2							
Specialization Elective (5) ® 3		WIB3001	Industrial Training *	12	WIA3002		
Specialization Elective (6) ® 3 Specialization Elective (7) ® 3 University Elective (Cluster 1): Thinking Matters: Mind & 1 Intellect University Elective (Cluster 2): Technology/Artificial 1 Intelligence and Data Analytics: i-Techie Course Code Semester 1 Credits Co-Curriculum (2) WIA3003 Academic Project II (#WIA3002) Specialization Elective (8) ® 3 Specialization Elective (8) ® 3 Specialization Elective (9) ® 3 Specialization Elective (9) ® 3 Specialization Elective (10) ® 3 University Elective Courses 17 University Elective Courses 59 University Elective Courses 59 University Elective Courses 59 Specialization Elective (10) ® 3 Specialization Elective Courses 59 Specialization Elective Courses 59 Specialization Elective Courses 59 Specialization Elective Courses 30 Specialization Elective Courses 59 Specialization Elective Courses 30 Specialization Elective Courses 30							
Specialization Elective (7) University Elective (Cluster 1): Thinking Matters: Mind & 2 University Elective (Cluster 2): Technology/Artificial Intelligence and Data Analytics: i-Techie Total 12 Course Code Semester 1 Credits Co-Curriculum (2) 2 WIA3003 Academic Project II (#WIA3002) 5 Specialization Elective (8) Specialization Elective (8) Specialization Elective (9) Specialization Elective (9) Specialization Elective (10) Specialization Elective Courses Speciali							
University Elective (Cluster 1): Thinking Matters: Mind & 1							
Intellect University Elective (Cluster 2): Technology/Artificial 1 1 1 1 1 1 1 1 1						Specialization Elective (7) [⊗]	3
Course Code Semester 1 Credits	3						2
Course Code Co-Curriculum (2) WIA3003 Academic Project II (#WIA3002) Specialization Elective (8) Specialization Elective (9) Specialization Elective (10) Specialization Elective Courses							2
Co-Curriculum (2) WIA3003 Academic Project II (#WIA3002) Specialization Elective (8) ® Specialization Elective (9) ® Specialization Elective (10) ® University Elective Courses Specialization Elective (10) ® University Elective (Cluster 3): Global Issues and Community Sustainability: Making the World a Better Place Course Component University Courses 14 Faculty Core Courses University Elective Courses 8 Programme Core Courses Specialization Elective Courses 30 Specialization Elective Courses 30			Total	12		Total	19
Co-Curriculum (2) WIA3003 Academic Project II (#WIA3002) Specialization Elective (8) ® Specialization Elective (9) ® Specialization Elective (10) ® University Elective Courses Specialization Elective (10) ® University Elective (Cluster 3): Global Issues and Community Sustainability: Making the World a Better Place Course Component University Courses 14 Faculty Core Courses University Elective Courses 8 Programme Core Courses Specialization Elective Courses 30 Specialization Elective Courses 30		Course Code	Somestor 4	Cradita		Cradit Distribution	
WIA3003 Academic Project II (#WIA3002) 5 Specialization Elective (8) ® 3 Specialization Elective (9) ® 3 Specialization Elective (10) ® 3 University Elective Courses 59 University Elective Courses 59 University Elective Courses 59 Specialization Elective (Cluster 3): Global Issues and Community Sustainability: Making the World a Better Place 2		Course Code					Credits
Specialization Elective (8) Specialization Elective (9) Specialization Elective (9) Specialization Elective (10) Specialization Elective Courses Specialization Elective Course		WIA3003					
Specialization Elective (9) ® 3 Specialization Elective (10) ® 5 University Elective Courses 59 University Elective (Cluster 3): Global Issues and Community Sustainability: Making the World a Better Place 2 Specialization Elective Courses 30 Specialization Elective Courses 30		***************************************					
4 Specialization Elective (10) 8 3 University Elective (Cluster 3): Global Issues and Community Sustainability: Making the World a Better Place 2 Programme Core Courses 59 Specialization Elective Courses 30							
University Elective (Cluster 3): Global Issues and Community Sustainability: Making the World a Better Place Specialization Elective Courses 30	4						
Community Sustainability: Making the World a Better Place	4					1 Togramme Core Courses	- 55
Total CREDITS FOR CRADUATION 400				2		Specialization Elective Courses	30
TOTAL TO TOTAL SECTION TO THE			Total	18		TOTAL CREDITS FOR GRADUATION	128

Pre-requisite.

Taken all Faculty and Programme Core Courses except Academic Project I and Academic Project II.

Pass all Faculty and Programme Core Courses except for Industrial Training and Academic Project II.

Each Specialization Elective Course is only offered ONCE every academic session, either on Semester 1 OR Semester 2.

CURRICULUM STRUCTURE BACHELOR OF COMPUTER SCIENCE (DATA SCIENCE) ACADEMIC SESSION 2024/2025

Philosophy and Current Issues (for local student only) 2	COURSE CODE	COURSE COMPONENT	CREDITS	SEMESTER
Sais Malay Language (for international student)		UNIVERSITY COURSES	01122110	0
GRI 1013	GIG1012 / GLT1049		2	2
GIG 1003	GIG1013	Appreciation of Ethics and Civilizations	2	1
GIG1004 Information Literacy 2 2 2 2 3 3 3 3 3 3				-
GI GI Color				
GLTXXXX		· ·		
GLTXXXX				
Co-Curricuculum	-		-	=
External Faculty Elective	OE170000	1 3		
Total 20				
COURSE CODE		<u> </u>		'
WIX1001				
WIX1002			CREDITS	SEMESTE
WIX1003	WIX1001		3	1
WIX2001	WIX1002		5	1
WIX2002 Project Management Total 17	WIX1003		3	1
COURSE CODE	WIX2001	Thinking and Communication Skills	3	1
COURSE CODE	WIX2002	Project Management	3	1
WIE2003		Total	17	
WIE2003	COLIBSE CODE	DDOCDAMME CODE COURSES	CDEDITS	SEMESTER
WIA1001 Information Systems 3 1 WIA1002 Data Structure 5 2 WIA1005 Network Technology Foundation 4 2 WIA2001 Database 3 1 WIA2002 Software Modelling 3 1 WIA2003 Probability and Statistics 3 1 WIA2004 Operating Systems 4 2 WID3006 Machine Learning 3 2 WID3006 Data Chience and Application* 5 1 WIH3007 Industrial Solution Development* 5 1 WIH3007 Industrial Solution Development* 5 1 WIH3001 Data Science Project** 3 1 WIH3002 Data Science Industrial Training* 14 2 WIX3001 Soft Computing 3 1 atau 2 WIX3002 Social Informatics 3 1 atau 2 WIX3003 Information Security Management and Ethics 3 1 atau 2 WIX3001 Data An				
WIA1002 Data Structure 5 2 WIA1003 Computer System Architecture 3 2 WIA1005 Network Technology Foundation 4 2 WIA2001 Database 3 1 WIA2002 Software Modelling 3 1 WIA2003 Probability and Statistics 3 1 WID3006 Machine Learning 3 2 WID3006 Machine Learning 3 2 WIH3005 Professional Development* 2 1 WIH3006 Data Science and Application* 5 1 WIH3007 Industrial Solution Development* 5 1 WIH3007 Industrial Solution Development* 5 1 WIH3001 Data Science Industrial Training* 14 2 COURSE CODE FACULTY ELECTIVE COURSES (Choose only 2 courses) CREDITS SEMESTE WIX3001 Soft Computing 3 1 atau 2 WIX3002 Social Informatics 3 1 atau 2 WIX300			_	
WiA1003		·		
WiA1005 Network Technology Foundation 4 2				
WIA2001 Database 3 1				
WIA2002 Software Modelling 3		•		
WIA2003				
WIA2004 Operating Systems 4 2 WID3006 Machine Learning 3 2 WIH3005 Professional Development* 2 1 WIH3006 Data Science and Application* 5 1 WIH3007 Industrial Solution Development* 5 1 WIH3001 Data Science Project** 3 1 WIH3002 Data Science Industrial Training* 144 2 COURSE CODE FACULTY ELECTIVE COURSES (Choose only 2 courses) CREDITS WIX3001 Soft Computing 3 1 atau 2 WIX3002 Social Informatics 3 1 atau 2 WIX3003 Information Security Management and Ethics 3 1 atau 2 WIC2004 Internet Technology 3 1 atau 2 WIH2001 Data Analytics 3 1 atau 2 WIH2001 Data Analytics 3 1 atau 2 WID2002 Computing Mathematics II 3 1 atau 2 WID3001 Functional and Logic Programming 3 </td <td></td> <td></td> <td></td> <td></td>				
WID3006 Machine Learning 3 2				
WIH3005 Professional Development* 2 1 WIH3006 Data Science and Application* 5 1 WIH3007 Industrial Solution Development* 5 1 WIH3001 Data Science Project** 3 1 WIH3002 Data Science Industrial Training* 14 2 Total 63 COURSE CODE FACULTY ELECTIVE COURSES (Choose only 2 courses) CREDITS SEMESTE WIX3001 Soft Computing 3 1 atau 2 WIX3002 Social Informatics 3 1 atau 2 WIX3003 Information Security Management and Ethics 3 1 atau 2 WIC2004 Internet Technology 3 1 atau 2 COURSE CODE KURSUS ELEKTIF PENGKHUSUSAN (Choose only 6 courses) CREDITS SEMESTE WIH2001 Data Analytics 3 1 atau 2 WID2002 Computing Mathematics II 3 1 atau 2 WID3001 Functional and Logic Programming 3 1 atau 2				
WIH3006 Data Science and Application* 5 1 WIH3007 Industrial Solution Development* 5 1 WIH3001 Data Science Project** 3 1 WIH3002 Data Science Industrial Training* 14 2 COURSE CODE FACULTY ELECTIVE COURSES (Choose only 2 courses) CREDITS SEMESTE WIX3001 Soft Computing 3 1 atau 2 WIX3002 Social Informatics 3 1 atau 2 WIX3003 Information Security Management and Ethics 3 1 atau 2 WIC2004 Internet Technology 3 1 atau 2 COURSE CODE KURSUS ELEKTIF PENGKHUSUSAN (Choose only 6 courses) CREDITS SEMESTE WIH2001 Data Analytics 3 1 atau 2 WID2002 Knowledge Representation and Reasoning 3 1 atau 2 WID3001 Functional and Logic Programming 3 1 atau 2 WID3002 Natural Language Processing 3 1 atau 2 WIE3010				
WIH3007		·		
WIH3001 Data Science Project** 3 1			_	
MIH3002 Data Science Industrial Training* 14 2 163				
COURSE CODE				
COURSE CODE FACULTY ELECTIVE COURSES (Choose only 2 courses) WIX3001 Soft Computing 3 1 atau 2 WIX3002 Social Informatics 3 1 atau 2 WIX3003 Information Security Management and Ethics 3 1 atau 2 WIC2004 Internet Technology 3 1 atau 2 COURSE CODE KURSUS ELEKTIF PENGKHUSUSAN (Choose only 6 courses) CREDITS SEMESTE WIH2001 Data Analytics 3 1 atau 2 WID2001 Knowledge Representation and Reasoning 3 1 atau 2 WID2002 Computing Mathematics II 3 1 atau 2 WID3002 Natural Language Processing 3 1 atau 2 WID3007 Data Mining and Warehousing 3 1 atau 2 WIE3007 Data Mining and Warehousing 3 1 atau 2 WIE3010 Data Visualization 3 1 atau 2 WIE3011 Business Analytics and Intelligence 3 1 atau 2 WIH3003 Big Data Applications and Analytics 3 1 atau 2 WIH3004 Trends in Data Science Total 18	WIH3002			2
WIX3001 Soft Computing 3 1 atau 2 WIX3002 Social Informatics 3 1 atau 2 WIX3003 Information Security Management and Ethics 3 1 atau 2 WIC2004 Internet Technology 3 1 atau 2 Total 6 COURSE CODE KURSUS ELEKTIF PENGKHUSUSAN (Choose only 6 courses) CREDITS SEMESTE WIH2001 Data Analytics 3 1 atau 2 WID2001 Knowledge Representation and Reasoning 3 1 atau 2 WID2002 Computing Mathematics II 3 1 atau 2 WID3001 Functional and Logic Programming 3 1 atau 2 WID3002 Natural Language Processing 3 1 atau 2 WIE3007 Data Mining and Warehousing 3 1 atau 2 WIE3010 Data Visualization 3 1 atau 2 WIE3012 Business Analytics and Intelligence 3 1 atau 2 WIH3003 Big Data Applications and Analytics 3 1 atau 2 WIH3004 Trends in Da		10.00	05	
WIX3002 Social Informatics 3 1 atau 2 WIX3003 Information Security Management and Ethics 3 1 atau 2 WIC2004 Internet Technology 3 1 atau 2 Total 6 COURSE CODE KURSUS ELEKTIF PENGKHUSUSAN (Choose only 6 courses) CREDITS SEMESTE WIH2001 Data Analytics 3 1 atau 2 WID2001 Knowledge Representation and Reasoning 3 1 atau 2 WID2002 Computing Mathematics II 3 1 atau 2 WID3001 Functional and Logic Programming 3 1 atau 2 WID3002 Natural Language Processing 3 1 atau 2 WIE3007 Data Mining and Warehousing 3 1 atau 2 WIE3010 Data Visualization 3 1 atau 2 WIE3012 Business Analytics and Intelligence 3 1 atau 2 WIH3003 Big Data Applications and Analytics 3 1 atau 2 WIH3004 Trends in Data Science 3 1 atau 2	COURSE CODE	FACULTY ELECTIVE COURSES (Choose only 2 courses)	CREDITS	SEMESTER
WIX3003		, ,	-	1 atau 2
VIIC2004 Internet Technology 3				1 atau 2
COURSE CODE KURSUS ELEKTIF PENGKHUSUSAN (Choose only 6 courses) WIH2001 Data Analytics 3 1 atau 2 WID2001 Knowledge Representation and Reasoning 3 1 atau 2 WID2002 Computing Mathematics II 3 1 atau 2 WID3001 Functional and Logic Programming 3 1 atau 2 WID3002 Natural Language Processing 3 1 atau 2 WIE3007 Data Mining and Warehousing 3 1 atau 2 WIE3010 Data Visualization 3 1 atau 2 WIE3012 Business Analytics and Intelligence 3 1 atau 2 WIH3003 Big Data Applications and Analytics 3 1 atau 2 WIH3004 Trends in Data Science Total 18		Information Security Management and Ethics	3	1 atau 2
COURSE CODE KURSUS ELEKTIF PENGKHUSUSAN (Choose only 6 courses) WIH2001 Data Analytics WID2001 Knowledge Representation and Reasoning WID2002 Computing Mathematics II WID3001 Functional and Logic Programming WID3002 Natural Language Processing WIE3007 Data Mining and Warehousing WIE3010 Data Visualization WIE3012 Business Analytics and Intelligence WIH3003 Big Data Applications and Analytics WIH3004 Trends in Data Science CREDITS SEMESTE 3 1 atau 2 3 1 atau 2 3 1 atau 2 4 atau 2 4 atau 2 5 atau 3 7 atau 4 7 atau 4 8 atau 4 8 atau 5 8 atau 6 8 atau 6 8 atau 7 8 atau 7 8 atau 7 8 atau 8 8 atau 9 8 atau 9 9 ata	WIC2004	Internet Technology	3	1 atau 2
WIH2001 Data Analytics 3 1 atau 2 WID2001 Knowledge Representation and Reasoning 3 1 atau 2 WID2002 Computing Mathematics II 3 1 atau 2 WID3001 Functional and Logic Programming 3 1 atau 2 WID3002 Natural Language Processing 3 1 atau 2 WIE3007 Data Mining and Warehousing 3 1 atau 2 WIE3010 Data Visualization 3 1 atau 2 WIE3012 Business Analytics and Intelligence 3 1 atau 2 WIH3003 Big Data Applications and Analytics 3 1 atau 2 WIH3004 Trends in Data Science 3 1 atau 2		Total	6	
WIH2001 Data Analytics 3 1 atau 2 WID2001 Knowledge Representation and Reasoning 3 1 atau 2 WID2002 Computing Mathematics II 3 1 atau 2 WID3001 Functional and Logic Programming 3 1 atau 2 WID3002 Natural Language Processing 3 1 atau 2 WIE3007 Data Mining and Warehousing 3 1 atau 2 WIE3010 Data Visualization 3 1 atau 2 WIE3012 Business Analytics and Intelligence 3 1 atau 2 WIH3003 Big Data Applications and Analytics 3 1 atau 2 WIH3004 Trends in Data Science 3 1 atau 2	COLIBSE CODE	KUDSUS EL EKTIE DENGKHUSUSAN (Chango antu 6 agurgos)	CDEDITO	CEMECTER
WID2001 Knowledge Representation and Reasoning 3 1 atau 2 WID2002 Computing Mathematics II 3 1 atau 2 WID3001 Functional and Logic Programming 3 1 atau 2 WID3002 Natural Language Processing 3 1 atau 2 WIE3007 Data Mining and Warehousing 3 1 atau 2 WIE3010 Data Visualization 3 1 atau 2 WIE3012 Business Analytics and Intelligence 3 1 atau 2 WIH3003 Big Data Applications and Analytics 3 1 atau 2 WIH3004 Trends in Data Science 3 1 atau 2				
WID2002 Computing Mathematics II 3 1 atau 2 WID3001 Functional and Logic Programming 3 1 atau 2 WID3002 Natural Language Processing 3 1 atau 2 WIE3007 Data Mining and Warehousing 3 1 atau 2 WIE3010 Data Visualization 3 1 atau 2 WIE3012 Business Analytics and Intelligence 3 1 atau 2 WIH3003 Big Data Applications and Analytics 3 1 atau 2 WIH3004 Trends in Data Science 3 1 atau 2				
WID3001 Functional and Logic Programming 3 1 atau 2 WID3002 Natural Language Processing 3 1 atau 2 WIE3007 Data Mining and Warehousing 3 1 atau 2 WIE3010 Data Visualization 3 1 atau 2 WIE3012 Business Analytics and Intelligence 3 1 atau 2 WIH3003 Big Data Applications and Analytics 3 1 atau 2 WIH3004 Trends in Data Science 3 1 atau 2 Total 18				
WID3002 Natural Language Processing 3 1 atau 2 WIE3007 Data Mining and Warehousing 3 1 atau 2 WIE3010 Data Visualization 3 1 atau 2 WIE3012 Business Analytics and Intelligence 3 1 atau 2 WIH3003 Big Data Applications and Analytics 3 1 atau 2 WIH3004 Trends in Data Science 3 1 atau 2				
WIE3007 Data Mining and Warehousing 3 1 atau 2 WIE3010 Data Visualization 3 1 atau 2 WIE3012 Business Analytics and Intelligence 3 1 atau 2 WIH3003 Big Data Applications and Analytics 3 1 atau 2 WIH3004 Trends in Data Science 3 1 atau 2 Total 18				
WIE3010 Data Visualization 3 1 atau 2 WIE3012 Business Analytics and Intelligence 3 1 atau 2 WIH3003 Big Data Applications and Analytics 3 1 atau 2 WIH3004 Trends in Data Science 3 1 atau 2 Total 18				
WIE3012 Business Analytics and Intelligence 3 1 atau 2 WIH3003 Big Data Applications and Analytics 3 1 atau 2 WIH3004 Trends in Data Science 3 1 atau 2 Total 18				
WIH3003 Big Data Applications and Analytics 3 1 atau 2 WIH3004 Trends in Data Science 3 1 atau 2 Total 18				
WIH3004 Trends in Data Science 3 1 atau 2 Total 18				
Total 18				
	vv1П3UU4			r atau 2

- Pre-requisite.

- Taken all Faculty and Programme Core Courses.

 Pass all Faculty and Programme Core Courses except for Industrial Training.

 Each Specialization Elective Course is only offered ONCE every academic session, either on Semester 1 OR Semester 2.

COURSE PLANNING FOR BACHELOR OF COMPUTER SCIENCE (DATA SCIENCE) **ACADEMIC SESSION 2024/2025**

Level	Course Code	Semester 1	Credits	Course Code	Semester 2	Credits
	GIG1003	Basic Entrepreneurship Culture	2	GIG1012/ GLT1049	Philosophy and Current Issues (for local student only) / Basic Malay Language (for international student)	2
	WIX1001	Computing Mathematics I	3	GIG1004	Information Literacy	2
	WIX1002	Fundamentals of Programming	5	GIG1005	Social Engagement	2
	WIX1003	Computer System and Organization	3	WIA1002	Data Structure (#WIX1002)	5
	WIA1001	Information Systems	3	WIA1003	Computer System Architecture (#WIX1003)	3
1				WID3006	Machine Learning	3
•				WIE2003	Introduction to Data Science	3
		Total	16		Total	20
	Course Code	Semester 1	Credits	Course Code	Semester 2	Credits
	000100 0000	English for Communication (1)	3	300,00 0000	Co-Curriculum	2
	GIG1013	Appreciation of Ethics and Civilizations	2		English for Communication (2)	3
	WIX2001	Communication Thinking and Skills	3	WIA2004	Operating Systems	4
	WIX2002	Project Management	3	WIA1005	Network Technology Foundation	4
	WIA2001	Database	3	***************************************	Specialization Elective (1) ®	3
		Software Modelling	3		Specialization Elective (2) [⊗]	3
2	WIA2003	Probability and Statistics	3		Faculty Elective (1)	3
		Total	20		Total	22
	Course Code	Semester 1	Credits	Course Code	Semester 2 (Industry)	Credits
	WIH3001	Data Science Project	3	WIH3002	Data Science Industrial Training	14
		Specialization Elective (3) [⊗]	3			
		Specialization Elective (4) [⊗]	3			
		Specialization Elective (5) [⊗]	3			
		Specialization Elective (6) [⊗]	3			
3		Faculty Elective (2)	3			
J 3		External Faculty Elective	2			
		Total	20		Total	14
	Course Code	Semester 1 (Industry)	Credits		Credit Distribution	
	554.50 0040	Comodo: (madoily)	O. Suito		Course Component	Credits
	WIH3005	Professional Development*	2		University Courses	20
	WIH3006	Data Science and Application*	5		Faculty Core Courses	17
	WIH3007	Industrial Solution Development*	5		Faculty Elective Courses	6
			-		Programme Core Courses	63
4					Specialization Elective Courses	18
		Total	12		TOTAL CREDITS FOR GRADUATION	124

Pre-requisite.
Taken all Faculty and Programme Core Courses
Pass all Faculty and Programme Core Courses except for Industrial Training
Each Specialization Elective Course is only offered ONCE every academic session, either on Semester 1 OR Semester 2.

ENGLISH COMMUNICATION PROGRAMME (UNIVERSTIY COURSE) FACULTY OF LANGUAGES AND LINGUISTICS LIST OF COURSES TO BE COMPLETED BY ALL STUDENTS (EXCEPT DATA SCIENCE PROGRAMME) 2024/2025 ACADEMIC SESSION

PATH 1	PATH 2	PATH 3	PATH 4	
 MUET BAND 2 IELTS Band 4.0 TOEFL Paper – Based Test (437 – 473) TOEFL Computer – Based Test (123 – 150) TOEFL Internet – Based Test (41 – 52) PTE (Academic) – (10 – 28) 	 MUET BAND 3 IELTS Band 4.5 – 5.0 TOEFL Paper – Based Test (477 – 510) TOEFL Computer – Based Test (153 – 180) TOEFL Internet – Based Test (53 – 64) PTE (Academic) – (29 - 41) 	 MUET BAND 4 IELTS Band 5.5 - 6.0 TOEFL Paper - Based Test (513 - 547) TOEFL Computer - Based Test (183 - 210) TOEFL Internet - Based Test (65-78) PTE (Academic) - (42 - 57) FCE (B & C) GCE A Level (English) (Minimum C) IGCSE/GCSE (English) (A, B & C) 	 MUET BAND 5 & BAND 6 IELTS Band 6.5 - 9.0 TOEFL Paper - Based Test (550 - 677) TOEFL Computer - Based Test (213 - 300) TOEFL Internet - Based Test (79 - 120) PTE (Academic) (58 - 90) FCE (A) GCE A Level (English) (B & A) 	
Students need to complete 2 courses (2 courses x 2 credits each) from this PATH	Students need to complete 2 courses (2 courses x 2 credits each) from this PATH	Students need to complete 2 courses (2 courses x 2 credits each) from this PATH	Students need to complete 2 courses (2 courses x 2 credits each) from this PATH	
COMPULSORY	COMPULSORY	COMPULSORY		
GLT1018 – Proficiency in English I	GLT1021 – Proficiency in English II	GLT1024 – Proficiency in English III	 GLT1027– Advanced Oral Communication* GLT1028 – Advanced Business 	
** CHOOSE ONE: • GLT1019 – Let's Speak • GLT1020 – Fundamental Writing	** CHOOSE ONE: • GLT1022 – Speak Up • GLT1023 – Effective Workplace Writing	** CHOOSE ONE: GLT1025 – Effective Oral Communication GLT1026 – Writing at the Workplace	Writing* Optional - Foreign Language course *(Students can only register for one course per semester)	

^{**} These courses have prerequisites and students can only register for them after obtaining a PASS in the compulsory course as stipulated in the respective PATH.

UNIVERSITY ENGLISH LANGUAGE COURSES FACULTY OF LANGUAGES AND LINGUISTICS LIST OF COURSES TO BE COMPLETED BY STUDENTS FROM DATA SCIENCE PROGRAMME ONLY 2024/2025 ACADEMIC SESSION

PATH 1	PATH 2	PATH 3	PATH 4	
MUET BAND 2	MUET BAND 3	MUET BAND 4	MUET BAND 5 & BAND 6	
# IELTS Band 4	# IELTS Band 4.5 – 5	# IELTS Band 5.5 – 6 ##	# IELTS Band 6.5 – 9.0	
# TOEFL Paper – Based Test	# TOEFL Paper – Based Test	# TOEFL Paper – Based Test (513	# TOEFL Paper – Based Test	
(437 – 473) / Computer – Based Test (123	(477 – 510) / Computer – Based	- 547) / Computer - Based Test	(550 – 677) / Computer –	
- 150) /Internet - Based Test (41 - 52)	Test (153 – 180) / Internet – Based	(183 – 210) / Internet – Based Test	Based Test (213 – 300) /	
	Test (53 – 64)	(65-78)	Internet – Based Test (79 –	
		# A' Levels English (University of	120)	
		Cambridge, London) –	# A'Levels English	
		Minimum C	(University of Cambridge,	
			London) – Minimum B or A	
COMPULSORY -	COMPULSORY -	COMPULSORY -	COMPULSORY -	
(3 Courses x 2 Credit Hours)	(2 Courses x 3 Credit Hours)	(2 Courses x 3 Credit Hours)	(2 Courses x 3 Credit Hours)	
 GLT1002 - Mastering English I GLT1003 - Mastering English II GLT1004 - Mastering English III 	GLT1005 - Mastering English IV [Pre-requisite]	GLT1009 - Mastering English VI [Pre-requisite]	GLT1014 – Advanced Communication Skills GLT1015 – Advanced Professiona	
GETTOOT Mactoring English III	** PILIH SATU:	** PILIH SATU:	Writing	
	 GLT1006 - Mastering English V GLT1007 - Essential Writing Skills GLT1008 - Effective Communication 	 GLT1010 - Mastering English VII GLT1011 - Technical Writing Skills in English GLT1012 - Presentation Skills in English GLT1013 - Reading Critically 		

^{**} These courses have pre-requisites and students can ONLY register for them after they have PASSED the COMPULSORY course as determined by the respective Paths

MANUAL FOR ENROLMENT PROCESS FLOW

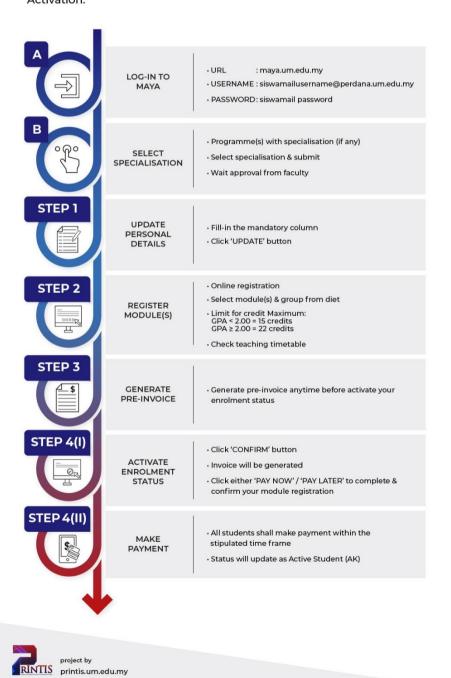




UMSItS ENROLMENT

Dear Students,

To ensure the registration process runs smoothly, it is advisable for students to complete the Module Registration first. You are encouraged to Generate Pre-Invoice during non peak hours followed by Enrolment Activation.



MANUAL FOR MODULE REGISTRATION







MAYA PORTAL

UNDERGRADUATE & POSTGRADUATE REGISTRATION | SEMESTER SYSTEM

Step 1: Search Timetable





- 1. Click on the Timetable menu and choose Search Timetable to check details of the module i.e. location, lecturer's name, day and time.
- 2. Please check timetable prior to the module registration. This to ensure that the registration process runs smoothly without any clashes.

- 1. Year = The first four digit of the Academic Session. I.e. 2019/2020= 2019
- Slot: Semester System period slots are:
 i. S1: Semester 1

 - S2: Semester 2 SS: Semester 3
 - R1: Semester 1 Research Mode
 - R2: Semester 2 Research Mode
 - vi. E1: Semester 1 AEI
 - vii. E2: Semester 2 AEI viii. ES: Semester 3 AEI

Important Notes:

- 1. Year = The first four digit of the Academic Session. I.e. 2019/2020= 2019
- 2. Slot: Semester System period slots are:
 - S1: Semester 1
 - S2: Semester 2
 - SS: Semester 3 R1: Semester 1 Research Mode
 - R2: Semester 2 Research Mode
 - E1: Semester 1 AEI
 - E2: Semester 2 AEI vii.
 - viii. ES: Semester 3 AEI

PAGE 1 of 5

FOR MORE INFORMATION:









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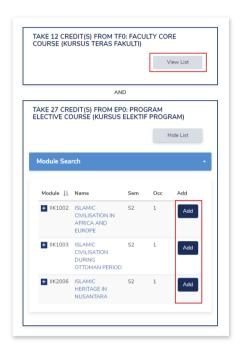






MODULE **UNDERGRADUATE & POSTGRADUATE** REGISTRATION | SEMESTER SYSTEM

Step 2: Select Module - Add module to cart



- 1. Click View List to view modules offered.
- 2. Search for your module.
- 3. Click Add to register module. Choose the correct occurrence/occ(Grouping).
- 4. Continue **Add** module if you have more than 1 module to register.

Important Notes:

- 1. Modules listed are based on the
 - DIET/programme structure; and
 - Offer for that particular semester.
- 2. Refer to your faculty if modules in your DIET are not listed but are offered for
- 3. Please go to Request Enrolment Module to register Off DIET module (Module not in your programme structure). This will not contribute to your fulfillment but will be counted in your GPA/CGPA.

PAGE 2 of 5

FOR MORE INFORMATION:













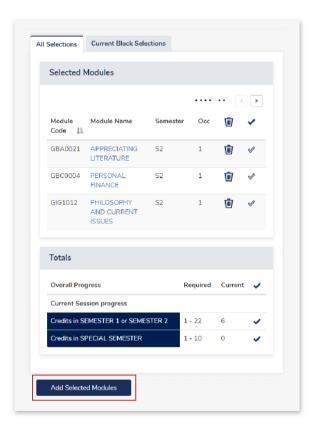




MODULE

UNDERGRADUATE & POSTGRADUATE REGISTRATION | SEMESTER SYSTEM

Step 3: Module Selection - Save selection & check clashes



1. Click submit selection to proceed with module registration after Add Selected Modules to check on clashes.

Important Notes:

- 1. At this stage, module is only saved and check for clashes.
- 2. It is NOT considered as registered modules.
- 3. System will display **Pop Message** if any of the selection modules has a clash.

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FOR MORE INFORMATION:



















UNDERGRADUATE & POSTGRADUATE MODULE REGISTRATION SEMESTER SYSTEM

Step 4: Module Selection Verification



1. Click Verify Module Selection to proceed with registration and to book for the module selection.

Important Notes:

- 1. At this stage, the module is considered as Pre-Registration **BUT** it is NOT considered as CONFIRMED REGISTRATION.
- 2. Student can continue to Add/Drop module.

Step 5: Return to 2.1 Module Selection – Add/drop modules after verification



1. Click Return to 2.1 Module Selection if you wish to Add/Drop module selection.

Important Note:

1. You may add/drop modules after the selection made at the Module Selection Submission stage.

OR

Step 5: Submit Module Selection – Continue Registration



1. Click Next to continue with registration, if there is no amendment to the module selected.

Important Note:

1. This will proceed with Generate Pre-Invoice.

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FOR MORE INFORMATION:









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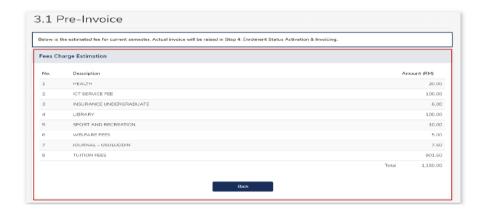






MODULE REGISTRATION

UNDERGRADUATE & POSTGRADUATE SEMESTER SYSTEM



Step 6: Enrolment Status Activation & Invoicing - Confirm **Module Registration And Ready to Receive Invoice**



1. Click on the Activate Enrolment Status button at Step 4: Enrolment Status Activation & Invoicing section to confirm on the modules that have been submitted for selection.

Important Notes:

- 1. Confirm the registration after you are satisfied with all the modules selected.
- 2. At this stage you have $\underline{\text{finalized}}$ the selected modules to register for the semester.
- 3. Do not confirm registration if you are not sure what module to enrol for that $% \left(1\right) =\left(1\right) =\left(1\right)$ semester. But this must be done before end of module registration period.
- 4. Invoice will be generated after confirming the registration.
- 5. Changes to the module enrolment are **NOT ALLOWED** after registration confirmation. (No more Add/Drop)
- 6. Changes to the module enrolment after confirmation can be done after Week 2. The implication is that Fees is **NOT** Refundable.

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